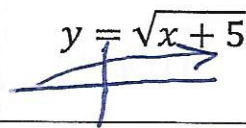
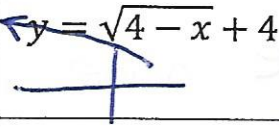
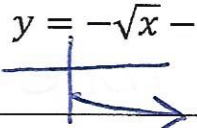


Key

	Domain	Range	VA	HA	max/min
--	--------	-------	----	----	---------

12	$y = - x + 5 + 1$	$(-\infty, \infty)$	$(-\infty, 1]$	none	none	$(-5, 1)$ max.
13	$y = \sqrt{x}$	$[0, \infty)$	$[0, \infty)$	none	none	$(0, 0)$ min
14	$y = \sqrt{x+5}$ 	$[-5, \infty)$	$[0, \infty)$	none	none	$(-5, 0)$ min
15	$y = \sqrt{4-x} + 4$ 	$(-\infty, 4]$	$[4, \infty)$	none	none	$(4, 4)$ min
16	$y = -\sqrt{x} - 3$ 	$[0, \infty)$	$(-\infty, -3]$	none	none	$(0, -3)$ max.
17	$y = \frac{1}{x}$	$(-\infty, 0) \cup (0, \infty)$	$(-\infty, 0) \cup (0, \infty)$	$x=0$	$y=0$	none
18	$y = \frac{4}{x+3}$	$(-\infty, -3) \cup (-3, \infty)$	$(-\infty, 0) \cup (0, \infty)$	$x=-3$	$y=0$	none
19	$y = \frac{4}{x^2 + x - 6}$ $(x+3)(x-2)$	$(-\infty, -3) \cup (-3, 2) \cup (2, \infty)$	$(-\infty, 0) \cup (0, \infty)$	$x=-3$ $x=2$	$y=0$	none
20	$y = \frac{2x^2 + 5x + 3}{x^2 - 4x - 5}$ $y = \frac{(2x+3)(x+1)}{(x-5)(x+1)}$	$(-\infty, -1) \cup (-1, 5) \cup (5, \infty)$	$(-\infty, 2) \cup (2, \infty)$	$x=5$	$y=2$	none
21	$y = \frac{x+4}{(x+4)(x-4)}$ $y = \frac{x+4}{x^2 - 16}$	$(-\infty, -4) \cup (-4, 4) \cup (4, \infty)$	$(-\infty, 0) \cup (0, \infty)$	$x=4$	$y=0$	none
22	$y = \frac{\sqrt{x+5}}{x+3}$ $x+5 \geq 0$	$[-5, -3) \cup (-3, \infty)$	$(-\infty, 0) \cup (0, \infty)$	$x=-3$	$y=0$	none

hole at $x=-1$

hole at $x=-4$

$x \geq -5$
 $x \neq -3$

